

Appendix table 4-19

R&D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 1997–2001

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1997	1998	1999	2000	2001
All industries	na	17,216	22,375	24,027	26,180	26,463
Manufacturing	31–33	14,270	18,788	19,991	20,990	20,054
Food	311	239	224	205	200	197
Beverages and tobacco products	312	D	52	37	36	35
Textiles, apparel, and leather products	313–16	D	41	43	33	35
Wood products	321	*	*	1	1	7
Paper	322	104	102	98	98	81
Printing and related support activities	323	34	42	76	54	43
Petroleum and coal products	324	272	479	D	D	D
Chemicals	325	6,754	7,770	7,679	7,341	7,563
Basic chemicals	3251	617	623	832	D	D
Resins and synthetic rubber, fibers, and filaments	3252	D	287	D	149	272
Pharmaceuticals and medicines	3254	5,304	6,381	6,191	5,943	6,124
Soap, cleaning compounds, and toilet preparations	3256	D	D	D	D	D
Other	na	260	D	204	238	219
Plastics and rubber products	326	331	349	372	301	305
Nonmetallic mineral products	327	214	146	172	199	206
Primary and fabricated metals	na	263	246	210	280	232
Primary metals	331	60	65	61	67	D
Fabricated metal products	332	203	181	149	213	D
Machinery	333	721	677	898	1,748	D
Agriculture, construction, and mining machinery	3331	103	69	290	237	201
Industrial machinery	3332	83	90	D	119	D
Other	na	535	518	D	1,392	1,408
Computers and electronic products	334	3,413	4,487	5,031	6,152	4,867
Computers and peripheral equipment	3341	120	324	D	D	104
Communications equipment	3342	2,243	3,045	3,431	4,607	2,998
Audio and video equipment	3343	D	D	211	D	D
Semiconductors and other electronic components	3344	586	635	917	1,003	1,077
Navigational, measuring, and other instruments	3345	D	D	D	366	675
Magnetic and optical media	3346	D	10	5	9	D
Electrical equipment, appliances, and components	335	781	885	1,195	823	875
Transportation equipment	336	641	2,762	3,204	3,344	3,193
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	500	2,555	D	3,082	2,910
Other	na	141	207	D	262	283
Furniture and related products	337	9	11	D	D	D
Miscellaneous manufacturing	339	392	516	432	238	300
Wholesale trade	42	D	D	D	D	D
Motor vehicles and motor vehicle parts and supplies	4211	325	315	237	283	D
Professional and commercial equipment and supplies	4214	407	202	198	185	184
Electrical goods	4216	328	476	368	533	1,148
Other durable goods	na	135	123	91	123	271
Petroleum and petroleum products	4227	D	D	D	D	D
Other nondurable goods	na	D	D	D	D	D
Retail trade	44-45	3	D	D	D	D
Food and beverage stores	445	*	*	0	0	0
Other	na	3	D	D	D	D
Information	51	260	329	548	790	D
Publishing industries	511	D	D	D	D	D
Motion picture and sound recording industries	512	5	1	*	*	*
Broadcasting and telecommunications	513	7	6	D	D	13
Broadcasting, cable networks, and program distribution	5131, 5132	0	0	0	0	0
Telecommunications	5133	7	6	D	D	13
Information services and data processing services	514	D	D	D	D	180
Finance (except depository institutions) and insurance	52	12	D	D	D	D
Finance, except depository institutions	na	12	D	D	D	D
Insurance carriers and related activities	524	0	2	4	1	1
Real estate and rental and leasing	53	1	12	D	D	D
Real estate	531	*	8	*	*	*
Rental and leasing (except real estate)	532	1	4	D	D	D

Appendix table 4-19

R&D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 1997–2001

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1997	1998	1999	2000	2001
Professional, scientific, and technical services	54	597	685	836	828	804
Architectural, engineering, and related services	5413	12	13	36	18	13
Computer systems design and related services	5415	281	333	315	314	204
Management, scientific, and technical consulting	5416	*	*	0	0	D
Other	na	303	339	485	495	D
Other industries	na	D	506	453	407	426
Agriculture, forestry, fishing, and hunting	11	71	75	89	90	91
Mining	21	D	254	221	213	D
Utilities	22	11	18	D	D	D
Construction	23	9	D	49	D	D
Transportation and warehousing	48–49	D	18	19	7	6
Management of nonbank companies and enterprises	55	D	D	D	D	D
Administration, support, and waste management	56	0	1	*	D	30
Health care and social assistance	62	D	D	D	D	D
Accommodation and food services	72	*	*	*	*	*
Accommodation	721	0	0	0	0	*
Food services and drinking places	722	*	*	*	*	*
Miscellaneous services	na	*	3	7	D	D

* = ≤\$500,000; D = suppressed to avoid disclosure of confidential information; na = not applicable

NAICS = North American Industry Classification System

NOTES: Data for R&D performance of majority-owned (>50%) nonbank U.S. affiliates of foreign parent companies. Total R&D performed refers to R&D expenditures according to who conducts R&D activity, whether for performer or for others under contract, and excludes R&D expenditures conducted by others under contract. Industry data are classified by the Bureau of Economic Analysis using the International Survey Industry classification system based on the NAICS. Data for 1997–2001 are based on the 1997 NAICS. Ultimate beneficial owner is person proceeding up U.S. affiliate's ownership chain beginning with and including foreign parent not owned >50% by another person. Detail may not add to total because of rounding.

SOURCE: Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (annual series), <http://www.bea.gov/international/index.htm#omc>, accessed 15 February 2011.

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